

## **REMARKS**

Claims 1-23 are pending. Claims 1-23 are rejected. Claims 2-3, 7-8, 17-18, and 21-22 have been cancelled in this Response.

### **Claim Rejections – 35 U.S.C. § 112**

Claims 3, and 7 and 18 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Independent claim 6 has been amended in this response to substitute “transceiver” for “transmitter” in accordance with Examiner’s suggestion. It is, therefore, respectfully submitted that the rejection of this claim under 35 U.S.C. §112 has been overcome. Dependent claims 3, 7 and 18 have been cancelled in this Response, as discussed hereinabove.

### **Claim Rejections – 35 U.S.C. § 103**

Claims 1-12 are rejected under under 35 U.S.C. §103 as being unpatentable over U.S. Publication No. 2003/0144020 to Challa et al. (hereinafter “Challa”) with a view to U.S. Publication No. 2003/0203722 to Karlquist et al. (hereinafter “Karlquist”). Claims 13-15 are rejected under under 35 U.S.C. §103 as being unpatentable over Challa and Karlquist with a view to U.S. Publication No. 2003/0173829 to Zeng (hereinafter “Zeng”). Applicant is unable to find an explicit statement rejecting the remaining claims pending in this application. However, Examiner has applied the Challa, Karlquist and Zeng references to the various pending independent and dependent claims. Therefore, Applicant assumes that the application of these references to the claims was intended as an explicit rejection of those claims for purposes of this response.

Independent claims 1 and 6, 16, and 20 have been amended to recite that the wireless interface unit comprises an analog and a digital module and that the analog module is fully operational when the wireless interface unit is operating in a first state and that the analog module is not fully operational when the wireless interface unit is operating in a second state. A clock generator is operable to generate first and second clocks corresponding to said first and second operating states of the wireless interface unit.

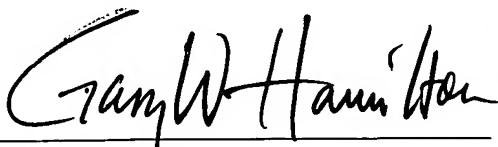
Examiner states that Challa teaches a wireless interface unit that comprises an analog module and a digital module, and further alleges that during a first operating state the analog module is fully operational and during a second operating state the analog module is not fully operational. Applicant respectfully submits that Challa does not differentiate between analog and digital components in the receiver 20 illustrated in Figure 2 of Challa. Furthermore, the controller 24 referenced by Examiner is analogous to the processing unit 402 discussed in Applicant's specification, not the digital baseband core 506 of the wireless interface unit 402 described in Applicant's specification and recited in independent claims 1, 6, 16, and 20.

For the reasons set forth above, Applicant respectfully submits that Challa fails to teach the limitations recited in independent claims 1, 6, 16, and 20, as amended. The limitations missing from Challa are not supplied by Karlquist or Zeng. It is respectfully submitted, therefore, that the rejections of the independent claims pending in this application have been overcome by the amendments submitted herewith. Furthermore, it is respectfully submitted that the remaining dependent claims are allowable, since they are dependent on allowable base claims.

### CONCLUSION

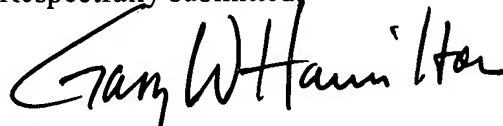
In view of the amendments and remarks set forth herein, Applicant respectfully submits that all pending claims are in condition for allowance. Accordingly, Applicant requests that a Notice of Allowance be issued. Nonetheless, should any issues remain that might be subject to resolution through a telephone interview, the Examiner is requested to telephone the undersigned at 512-338-9100.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on April 3, 2006.



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Respectfully submitted,



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